

Online mini-workshop on a detector concept with a crystal ECAL

Report of Contributions

Contribution ID: 0

Type: **not specified**

Introduction

Wednesday, 22 July 2020 08:30 (10 minutes)

Presenter: Prof. LOU, Xinchou (高能所)

Session Classification: Session 1

Contribution ID: 1

Type: **not specified**

Latest development in crystals and readout

Wednesday, 22 July 2020 08:40 (40 minutes)

Presenter: Dr ZHU, Ren-Yuan (Caltech)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Simulation of dual readout crystals

Presenter: LAI, Yihui (University of Maryland)

Contribution ID: 3

Type: **not specified**

TBD

Contribution ID: 4

Type: **not specified**

Discussion

Contribution ID: 5

Type: **not specified**

Status of crystal ECAL studies at IHEP

Wednesday, 22 July 2020 09:20 (30 minutes)

Presenter: Dr LIU, Yong (Institute of High Energy Physics)

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

Crystal ECAL Optimization studies: transverse granularity and longitudinal depth

Wednesday, 22 July 2020 09:50 (20 minutes)

Presenter: LIU CHUNXIU (高能所)

Session Classification: Session 1

Contribution ID: 7

Type: **not specified**

Crystal ECAL design and optimization

Wednesday, 22 July 2020 10:10 (20 minutes)

Presenter: WANG (王), Yuezin (悦心)

Session Classification: Session 1

Contribution ID: 8

Type: **not specified**

TBD: ECAL studies and designs

Contribution ID: 9

Type: **not specified**

TBD: HCAL options

Contribution ID: **10**

Type: **not specified**

Solenoid R&D

Thursday, 23 July 2020 09:30 (30 minutes)

Presenter: Dr NING, Feipeng (IHEP)

Session Classification: Session 3

Contribution ID: **11**

Type: **not specified**

Discussion

Thursday, 23 July 2020 10:00 (1 hour)

Session Classification: Session 3

Contribution ID: **12**

Type: **not specified**

Tracking options

Thursday, 23 July 2020 09:00 (30 minutes)

Presenter: SHI, Xin (IHEP)

Session Classification: Session 3

Contribution ID: 13

Type: **not specified**

Detector optimization w.r.t. the BMR

Presenters: YU DAN; 石, 禹坤 (中国科学技术大学); 蒋杰臣

Contribution ID: 14

Type: **not specified**

Identification performance of leptons in jets

Presenter: YU DAN

Contribution ID: 15

Type: **not specified**

Differential jet performance

Presenter: 赖, 培築 (N)

Contribution ID: **16**

Type: **not specified**

Discussion and Wrap-up

Contribution ID: 17

Type: **not specified**

Review of past DREAM work on dual-readout crystals

Wednesday, 22 July 2020 20:30 (40 minutes)

Presenter: Dr GAUDIO, Gabriella (INFN-PV)

Session Classification: Session 2

Contribution ID: **18**

Type: **not specified**

Segmented crystal electromagnetic precision calorimeter (SCEPCAL)

Wednesday, 22 July 2020 21:10 (40 minutes)

Presenter: Dr LUCCHINI, Marco (Princeton University)

Session Classification: Session 2

Contribution ID: **19**

Type: **not specified**

Stand-alone pion resolutions with the IDEA concept

Wednesday, 22 July 2020 22:15 (25 minutes)

Presenter: VIVARELLI, Iacopo (University of Sussex)

Session Classification: Session 2

Contribution ID: 20

Type: **not specified**

Introduction to Key4HEP, the common software framework

Thursday, 23 July 2020 21:00 (10 minutes)

Presenter: GIACOMELLI, Paolo (INFN-Bo)

Session Classification: Session 4

Contribution ID: 21

Type: **not specified**

Simulation of dual readout crystals

Thursday, 23 July 2020 08:30 (15 minutes)

Presenter: Mr LAI, Yihui (University of Maryland)

Session Classification: Session 3

Contribution ID: 22

Type: **not specified**

Detector optimization w.r.t. the BMR

Thursday, 23 July 2020 08:45 (15 minutes)

Presenter: SHI, Yunkun (USTC)

Session Classification: Session 3

Contribution ID: 23

Type: **not specified**

Identification performance of leptons in jets

Thursday, 23 July 2020 21:30 (15 minutes)

Presenter: YU, Dan (IHEP)

Session Classification: Session 4

Contribution ID: 24

Type: **not specified**

Differential jet performance

Thursday, 23 July 2020 21:45 (15 minutes)

Presenter: 赖, 培筑 (國立中央大學)

Session Classification: Session 4

Contribution ID: 25

Type: **not specified**

Discussion and Wrap up

Thursday, 23 July 2020 22:00 (1 hour)

Session Classification: Session 4

Contribution ID: 26

Type: **not specified**

New ideas on the readout schemes of crystal calorimetry

Wednesday, 22 July 2020 21:50 (25 minutes)

Presenters: Prof. LV JINGUANG, Jinguang (IHEP); Dr WANG, Zhigang (IHEP)

Session Classification: Session 2

Contribution ID: 27

Type: **not specified**

Detector optimization w.r.p.t BMR

Contribution ID: 28

Type: **not specified**

Latest development of the PFA calorimeter

Thursday, 23 July 2020 20:30 (30 minutes)

Presenter: Mr PÖSCHL, Roman (Laboratoire de l'accélérateur Linéaire)

Session Classification: Session 4

Contribution ID: 29

Type: **not specified**

Development efforts of software framework to simulate DR calorimeter

Thursday, 23 July 2020 21:10 (20 minutes)

Presenter: KO, Sanghyun (Seoul National University)

Session Classification: Session 4

Contribution ID: **30**

Type: **not specified**

Online Group Photo

Wednesday, 22 July 2020 22:40 (5 minutes)

Session Classification: Session 2